ABSTRACT

A communication device is provided for a local enclave.

The communication device processes packets to be transferred

from the local enclave to a wide area network. The

communication device intercepts packets originating from a host

5   on the local enclave, the packets being destined for

transmission over the wide area network, extracts predetermined

portions from each packet header to form one or more blocks for

translation, applies a predetermined encryption algorithm to

translate the one or more blocks after masking; and reinserts

10   bits from the translated block back into the packet header. The

purpose of the invention is to obfuscate network machine

identities to TCP/IP packets traversing the public Internet to

prevent traffic mapping.

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